Program: BE Information Technology

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Course Code:TEITC504 and Course Name: ADBMS

Time: 1hour   Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	An index consist of
Option A:	a list of keys
Option B:	a list of pointers
Option C:	a list of keys and pointers
Option D:	a list of keys and pointers to the master list
Q2.	The structure of the data held in operational databases and used by operational applications.
Option A:	User-level metadata.
Option B:	Data warehouse metadata.
Option C:	Operational metadata.
Option D:	Data mining metadata
Q3.	A UNION query is which of the following?
Option A:	Combines the output from no more than two queries and must include the same number of columns
Option B:	Combines the output from no more than two queries and does not include the same number of columns.
Option C:	Combines the output from multiple queries and must include the same number of columns.
Option D:	Combines the output from multiple queries and does not include the same number of columns.
Q4.	The dimension tables describe the _____.
Option A:	entities.
Option B:	facts.
Option C:	keys.
Option D:	units of measures.
Q5.	Which of the following statements is true concerning routines and triggers?
Option A:	Both consist of procedural code.
Option B:	Both have to be called to operate.

Option C:	Both run automatically.
Option D:	Both are stored in the database.
Q6.	Which of the following statements is true concerning
Option A:	Involves the use of an inner and outer query.
Option B:	Cannot return the same result as a query that is not a subquery.
Option C:	Does not start with the word SELECT.
Option D:	Primary Key is similar to Unique Key
Q7.	What will be the max trees that a B+ -tree of order 2 and of height 4 have?
Option A:	15
Option B:	12
Option C:	8
Option D:	6
Q8.	The data Warehouse is_____.
Option A:	read only.
Option B:	write only.
Option C:	read write only.
Option D:	none.
Q9.	Which of the following is false concerning systems information in an RDBMS?
Option A:	RDBMS store database definition information in system-created tables.
Option B:	This information can be accessed using SQL
Option C:	Foreign Key is combination of unique and not null
Option D:	This information often cannot be updated by a user.
Q10.	Execution of translation in isolation preserves
Option A:	Atomicity
Option B:	Consistency
Option C:	Durability
Option D:	Similarity
Q11.	Which of the following systems is responsible for ensuring durability?
Option A:	Recovery system
Option B:	Atomic system
Option C:	Concurrency control system
Option D:	Compiler system
Q12.	Which of the following is data cleaning process
Option A:	Extracting only valid data
Option B:	Checking referential integrity constraints
Option C:	Extracting source data
Option D:	Building dimensions
Q13.	It indicates the distribution of control of the database system and the degree to

	which each constituent DBMS can operate independently is called as
Option A:	Autonomy
Option B:	Heterogeneity
Option C:	Redundancy
Option D:	Replication
Q14.	Data that can be modelled as dimension attributes and measure attributes are called _____ data.
Option A:	Multidimensional
Option B:	Single dimensional
Option C:	Measured
Option D:	Dimensional
Q15.	Which of the following is not a transaction state?
Option A:	Active
Option B:	Partially committed
Option C:	Failed
Option D:	Compensated
Q16.	The _____ is a standard for exchanging authentication and authorization information between different security domains, to provide cross-organization single sign-on.
Option A:	OpenID
Option B:	Sign-on system
Option C:	"Security Assertion Markup Language (SAML)"
Option D:	"Virtual Private Database (VPD)"
Q17.	What is the correct order for creating a data cube with the steps listed below? 1. Choose a data source 2. Create the query that extracts data from the database 3. Create the cube from the extracted data
Option A:	1,2,3
Option B:	2,1,3
Option C:	3,2,1
Option D:	Any random sequence
Q18.	Which of the following refers to Object Query Language?
Option A:	Similar to SQL and uses select
Option B:	Similar to SQL and uses select
Option C:	Similar to SQL and uses select
Option D:	Similar to SQL and uses from
Q19.	In ODBC, among database users a file is shared, what is that file called as
Option A:	User data source

Option B:	File data source
Option C:	SQL text file
Option D:	System data source
Q20.	Which of the following is NOT one of the ETL tool?
Option A:	Pentaho
Option B:	Informatica
Option C:	Microsoft SQL Server Integration
Option D:	SQL Workbench
Q21.	"Even with two-factor authentication, users may still be vulnerable to_____attacks."
Option A:	Radiant
Option B:	Cross attack
Option C:	scripting
Option D:	"Man-in-the-middle"
Q22.	The process which groups the tuples of a table in accordance to the values of one or more fields is called
Option A:	Horizontal Fragmentation
Option B:	Vertical Fragmentation
Option C:	Replication
Option D:	Hybrid Fragmentation
Q23.	Which OLAP feature can breakdown the sales by City?
Option A:	Drill-down
Option B:	Roll-up
Option C:	Pivot
Option D:	Slice
Q24.	Object Definition Language supports an association relationships. Select the one
Option A:	Unary and binary
Option B:	Unary
Option C:	Unary, binary and ternary
Option D:	Only ternary
Q25.	A state or protocol where a system will never proceed into a deadlock state is called as
Option A:	Deadlock detection
Option B:	Deadlock prevention
Option C:	Deadlock recovery
Option D:	Deadlock elimination